

## Nuclide Analysis Results of Radioactive Materials in Seawater < seashore and offshore >

Attachment 1

(Data summarized on December 17)

| Place of Sampling             | North of Discharge Channel of 5-6u of 1F<br>(approx. 30m north of 5-6u discharge channel) | Around South Discharge Channel of 1F<br>( approx. 330m south of 1-4u Discharge Channel) | 15 km offshore of Fukushima Daiichi Upper layer | 15 km offshore of Fukushima Daini Upper layer |  |                          |                      |                          |                      |    |
|-------------------------------|---|---|---|---|--|--------------------------|----------------------|--------------------------|----------------------|----|
| Date of sampling              | 2011/12/10  | 2011/12/10  | 2011/12/10                                      | 2011/12/10                                    | Density limit by the announcement of Reactor Regulation (Bq/L)<br>(the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2) |                          |                      |                          |                      |    |
| Detected Nuclides (Half-life) | Density of Sample (Bq/L)  | Scaling Factor ( / )  | Density of Sample (Bq/L)                        | Scaling Factor ( / )                          |  | Density of Sample (Bq/L) | Scaling Factor ( / ) | Density of Sample (Bq/L) | Scaling Factor ( / ) |    |
| I-131 (about 8 days)          | ND  | -   | ND  | -   |  | ND                       | -                    | ND                       | -                    | 40 |
| Cs-134 (about 2 years)        | 3.5   | 0.06  | 1.7   | 0.03  |  | ND                       | -                    | ND                       | -                    | 60 |
| Cs-137 (about 30 years)       | 4.1   | 0.05  | 2.3   | 0.03  |  | ND                       | -                    | ND                       | -                    | 90 |
| all beta-radioactivity        | 25  | -   | 32  | -   | ND   | -                        | ND                   | -                        | -                    |    |

\* Density by the announcement of Reactor Regulation is stated with an amount converted from Bq/cm<sup>3</sup> to Bq/L.

\* In the case that two or more kinds of nuclides exist, sum of each scaling factor to the density limit is compared with 1.

\* Results of I-131 , Cs-134 and Cs-137 will be released on December 11 and 12.

Nuclide Analysis Results of Radioactive Materials in Seawater < additional survey at offshore >

Attachment 2

(Data summarized on December 17)

| Place of Sampling             | Ukedo-gawa offshore3km Upper Layer |                      | Fukushima Daiichi offshore3km Upper Layer |                      | Fukushima Daini offshore3km Upper Layer |                      | Fukushima Daiichi offshore8km Upper Layer |                      | Density limit by the announcement of Reactor Regulation (Bq/L)<br>(the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2) |
|-------------------------------|------------------------------------|----------------------|---|----------------------|---|----------------------|---|----------------------|--|
| Date of sampling              | 2011/12/10                         |                      | 2011/12/10                                |                      | 2011/12/10                              |                      | 2011/12/10                                |                      |  |
| Detected Nuclides (Half-life) | Density of Sample (Bq/L)           | Scaling Factor ( / ) | Density of Sample (Bq/L)                  | Scaling Factor ( / ) | Density of Sample (Bq/L)                | Scaling Factor ( / ) | Density of Sample (Bq/L)                  | Scaling Factor ( / ) |  |
| I-131 (about 8 days)          | ND                                 | -                    | ND  | -                    | ND                                      | -                    | ND  | -                    | 40   |
| Cs-134 (about 2 years)        | ND                                 | -                    | ND  | -                    | ND                                      | -                    | ND  | -                    | 60   |
| Cs-137 (about 30 years)       | ND                                 | -                    | ND  | -                    | ND                                      | -                    | ND  | -                    | 90   |
| all beta-radioactivity        | ND                                 | -                    | ND  | -                    | ND                                      | -                    | ND  | -                    | -  |

\* Density by the announcement of Reactor Regulation is stated with an amount converted from Bq/cm<sup>3</sup> to Bq/L.

\* In the case that two or more kinds of nuclides exist, sum of each scaling factor to the density limit is compared with 1.

\* Results of I-131 , Cs-134 and Cs-137 will be released on December 12.